

To: Chirayath, Ved (ARC-SG)[ved.chirayath@nasa.gov]
Cc: Fladeland, Matthew M. (ARC-SG)[matthew.fladeland@nasa.gov]; Gullett, Brian[Gullett.Brian@epa.gov]; KAN, WAI KWONG (ARC-QH)[waikwong.kan@nasa.gov]; Phillips, Stanleigh W. (ARC-QH)[stanleigh.w.phillips@nasa.gov]; Dearing, Munro G. (ARC-JO)[munro.g.dearing@nasa.gov]
From: Morrison, Richard S. (ARC-QS)
Sent: Wed 9/14/2016 10:28:11 PM
Subject: RE: Whom to work with on risk mitigation for Radford

Ved,

First time I've seen a 9-13-2016 version of the plan. Is there a signed version? (this one is still stamped draft)

I'll review it shortly. Wai on the cc line is the Industrial hygienist, for us. Has the Army Range Safety signed off on it?

On your item #5: Keep in mind ALL hazard operations must be reviewed by the safety office, regardless of whether its an extreme environment or not.

On your item #4: That's good news, please send me an artifact from the Army that says that. Earlier you said bunny suits and respirator. Let's write it down.

Can we maintain a safe distance while maintaining visual contact with the UAV?

Regards,

Rich

From: Chirayath, Ved (ARC-SG)
Sent: Wednesday, September 14, 2016 3:05 PM
To: Morrison, Richard S. (ARC-QS) <richard.s.morrison@nasa.gov>
Cc: Fladeland, Matthew M. (ARC-SG) <matthew.fladeland@nasa.gov>; Gullett, Brian <Gullett.Brian@epa.gov>
Subject: Whom to work with on risk mitigation for Radford

Hi Rich,

We are working to address the issues you raised regarding decontamination of the aircraft and crew protections. Can you put us in touch with the industrial hygienist required to review this? I have attached the latest quality assurance plan prepared by Brian Gullett.

A few important notes and mitigations:

1. The Army does not allow any of our personnel or EPA personnel into the burning range.
2. The EPA states there are no volatile compounds involved and that the decontamination is really only to remove any potential soot. This is nonvolatile. More akin to charcoal soot (amorphous carbon) from a BBQ.
3. Brian is working with the Army to provide additional material on safety and procedures.
4. The Army requires us to remain away from the burn site as indicated in FRR documentation. Due to this distance, they have now determined we do not need any special suits on the Army base.
5. Our EERB concluded no review was necessary for this mission as we are outside the burn range.

Best,

Ved Chirayath, Ph.D.

Research Scientist

Earth Sciences Division

NASA Ames Laboratory for Advanced Sensing

www.nasa.gov/ames/las

Chair, NASA Ames LGBTQIA Advisory Group

NASA Ames Research Center

Sustainability Base (N-232), Room 267

Office: (650) 604-6278

Cell: (949) 413-8928

ved.chirayath@nasa.gov